

to the continued examination of the above-identified application under 37 C.F.R. §1.114,  
please enter the following amendments and consider the following remarks:

**AMENDMENTS**

**In the Claims:**

Please cancel claim 18 without prejudice.

Please amend claims 16 and 24 as follows:

*Draft 01*  
--16. (thrice amended) A method of observing the effect of one or more candidate compounds on cells in a microfluidic device comprising:

(a) providing a microfluidic device comprising a main flow path comprising a [detection zone, and] an outlet, [and] at least two inlet flow paths and a detection zone, wherein at least one inlet flow path intersects and merges [intersecting and merging] with the main flow path at [or upstream of] the detection zone;

(b) applying into the microfluidic device at least one cell which flows into a first inlet flow path and a candidate compound to a second inlet flow path;

(c) inducing flow of the cells and the candidate compound toward the outlet;

(d) allowing the [cells] at least one cell to mix with the candidate compound in the detection zone; and

(f) observing the effect of the candidate compound on the cells in the detection zone.